INDEX TO

FIRE ENGINEERING

Volume LXXXI—From January 1 to December 31, 1928

ACID, muriatic, hazards of (Q. & A.).... 327
Acids and oils, volatile (Q. & A.)..... 370
Airplane destroyed in U. S. scout fleet practice (ill.) 783
Airplane, mapping forest fires by (ill.).... 1093
Airplanes new problem in f. prev. (edit.).. 773
Alarm telephones, f'men too late..... 278
Alarms, "covering-in" on multiple (Q. & A.) 64
Albany, Ga., in line for 1927 prize (portr.). 28
Albany hospital f. (ill.)..... 330
Alfite gas used to extinguish fires (ill.).... 1110
Algiers alcohol plant f. (portr-ill.)..... 819
Allen (F. alarm sys. helps f'men give service) 728
Allen heads Mass. F. chiefs..... 523
Amer. La-France calendar (ill.)..... 155
A. S. M. E. meet to consider hose threads.. 202
Anderson, ch. Keokuk, 50 yrs. in service portr.) 1182
Apparatus mfgrs. consider pumping capacities 649
Arlington pyroxlyin tank f. (ill.)..... 507
Anniversary number (Cor.)..... 67
Apparatus, should, leave town? (ill.)..... 927
Ark. F. A. meet..... 1196
Ark. S. F. A. elect Dean..... 1064
Arson and murder (edit.)..... 191
Arson arrest, chief aids in..... 285
Arson bu., underwriters form local..... 866
Arson charges, couple convicted of..... 733
Arson charges, held on..... 416
Arson, man convicted of attempted..... 602
Arson plan, life sacrificed to aid..... 202
Arson plot in Waterbury (ill.)..... 1182
Arson plot, two convicted of..... 157
Arson squad, Detroit, work of (ill.)..... 324
Arson squads have effect on incendiarism.. 559
Arson squads in Ill. cities..... 464
Arson squad in Portland, Ore., (ill.)..... 54
Arson, squad, value of (edit.)..... 61
Arson trouble, plan to end..... 660
Asbestos shingles prevent conflagrations (ill.) 34
Asbestos suit designed by Portland f'man (ill.) 1186
Asbestos suits purchase for Glendale f. d. (ill.) 546
Asbestos tubes for fighting oil f. (ill.).... 108
Ashmead (F. depts. should produce revenue), (ill.) 1181
Assignment card to reduce runs (ill.)..... 187
Asthma sufferer, dept. relieves..... 239
Atlanta f. dept. (ill.)..... 420
Atlantic City hotel f. (ill.)..... 420

BABCOCK (Data on starting vol. school), (portr.) 463
Babcock handling fomon generators..... 778
Back pressure and reaction (Q. & A.).... 1017
Baird, ch., Fresno, to retire (portr.)..... 410
Baird, ex-ch., Fresno f'men honor..... 648
Baird supt. f. d. of Santa Barbara (portr.). 638
Baltimore has foam co. (ill.)..... 1118
Bargren (Classifying and controlling the f'bug) 321
Bargren (Protect against f. panic in theatres) 463
Barnard new fire sta. (ill.)..... 1096
Barn fires, spontaneous combustion blamed.. 983
Barnett, ch. Atlantic City, dead (portr.).. 106
Barton pumps, new type (ill.)..... 733
Baseball, is, a dept. duty..... 605
Basement fires, concrete first floors as stops.. 1070
Batt. ch. hydraulic question (Q. & A.).... 861
Batt. ch. test in N. Y. (ill.)..... 679
Bauer, pres., of Pyrene Mfg. Co. dead.... 160
Baughan new ch. Norfolk f. d. (portr.).. 12
Bayonne bolt factory f. (ill.)..... 373
Bayonne, more f'men for..... 148
Beckert to run for treas. I. A. F. C. (portr.) 548
Belknap (Fall River f.) (ill.)..... 143
Belknap (F. f. on other side of world) (ill.) 767
Belknap (Mass. S. F. A. conv. report).... 862
Belknap (Westerly f. sta. design) (ill.).. 376
Below the belt (edit.)..... 727
Berkeley, many improvements slated for.... 594
Berkeley rebuilt after f..... 27
Berlin f'men have f'proof suits (ill.)..... 874
Berry has large f. museum..... 372
Birmingham new central f. alarm sta. (ill.). 114
Blaisdell appointed Honolulu chief..... 244
Blanke (F. protec. methods in Germany) (ill.) 109
Bloomington dept. store f (ill.)..... 459
Blowpipe, cutting, aids f'men (ill.)..... 114
Blue Point hotel f. (ill.)..... 820
Boiler shop f., handling (ill.)..... 233
Books and blackboards for f'men? (edit.).. 1149
Boston after traffic violations..... 160
Boston depot f. (ill.)..... 371
Boston factory f. (ill.)..... 417
Boston F. D. ball..... 202
Boston, f. losses reduced in..... 416
Boston f'men get more pay..... 157
Boston f'men, new coats for (ill.)..... 98
Boston 4-alarm hotel f..... 19
Boston opens new central f. sta. (ill.).... 420
Boston r. r. w'front bldgs. f. (ill.)..... 603
Box 52 Assn. elects officers..... 1070
Box 52 Assn. entertains..... 70
Box 52 Assn. holds banquet..... 1111
Box 52 Assn. inspects plant..... 374
Box 52 Assn. takes trip..... 115
Box 4 Associates hold banquet..... 104
Box 12 Assn., f. staged for..... 196
Boy scout in f. protec. (edit.)..... 504
Boy scouts, work done by (Q. & A.)..... 505
Bridgeport, Brown, supt. of, dead (portr.). 1113
Bridgeport, Burns new f. ch. (portr.)..... 554
Brennan new paid ch. of f. dept. (portr.). 504
Bresnan nozzle (Q. & A.)..... 17
Bristol, new f. sta. for..... 362
Brockton church f. (ill.)..... 240
Brockton, Dickinson new ch. (portr.)..... 818
Bronx sec. troubled by f. bug..... 250
Bronze cable strengthens life belt (ill.).... 728
Brooklyn lumber yd. f. (ill.)..... 1194
Brooklyn pier explo. (ill.)..... 863
Brooklyn warehouse f. (ill.)..... 234
Brosnan, ch., injured..... 69
Brown, Supt. of Bridgeport, dead (portr.). 1113
Buffalo promotional exam. questions (Q. & A.) 281
Buffalo river barge f. (Ill.)..... 777
Buffalo w. front f. (ill.)..... 1153
Bldg. code, N. Y. may have new..... 1016
Bldg. construc. changes prob. for chiefs.... 785
Bldg. construc. hazards, avoiding..... 1008
Bureau of Mines issues hazard film..... 741
Burlington f. dept. host to chiefs (port.-ill.) 495
Burlington, Vt., has bad f..... 159
Burns, new ch. Bridgeport (portr.)..... 554
Butler Bros. f. report (ill.)..... 328

CAIRO f. dept. opera. of (ill.)..... 102
Cal. f. depts., complete first-aid course (ill.) 689
Canton, O., f. alarm sys., woman controls (ill.) 238
Canton promotional questions (O. & A.)... 817
Capt., ques. asked at test for..... 57
Carbon dioxide effective in tests (ill.)..... 829
Carbon dioxide extinguishers for industrial work 746
Carbon dioxide extinguishes varnish f..... 282
Carbon monoxide and carbon dioxide (Q. & A.) 237
Carbonic acid and carbon dioxide (Q. & A.) 601
Carbonic snow, freezing f. with (ill.)..... 1028
Cargion heads Me. S. F. A..... 1032
Cartoon points a moral..... 612
C. i. columns fail under f. exposure (ill.).. 328
Catalysis new method of extinguishing f. (ill.) 412
Chaplain writes f. f. praise..... 948
Charlesworth (F. extinguishers—their use) (portr.) 1018, 1060, 1101
Charlotte, f. apparatus crash..... 527
Charlotte opens new f. sta. (ill.)..... 408
Charnock (W. dept., how can, cooperate with f. ch.)..... 642
Chemicals, dangerous (Q. & A.)..... 1151
Chemicals vs. w. line (Q. & A.)..... 17
Chicago apt. house f. (ill.)..... 460
Chicago co. makes fast time..... 1190
Chicago elec. field secretary, new..... 378
Chicago f. alarm report criticised by N. Y. 375
Chicago f. app. collision (ill.)..... 1098
Chicago f. apparatus wreck (ill.)..... 12
Chicago f'men, donations asked from..... 104
Chicago new f. patrol hdqrts. (ill.)..... 185
Chicago new f. sta. (ill.)..... 290
Chicago night fires, flood lights for (ill.).. 1142
Chicago Patrol improves houses..... 21
Chicago planning new f. sta. (ill.)..... 636
Chicago, radio f. alarm tested in..... 814
Chicago seeks bond issue..... 285
Chicago theatre f. (ill.)..... 508
Chicopee sta. has unique features (ill.).. 364
Chief as a leader (edit.)..... 727
Chief, why not back up (edit.)..... 551
Chief's salary (edit.)..... 859
Chief's tenure of office (edit.)..... 1149
Chimney cleaning powder, use of (Q. & A.) 237
Chimney fires, etc. (Q. & A.)..... 861
Circumstantial evidence convicts man..... 322
Civil service survey in fire service..... 925
Clark (Is ventilation part of salvage work?) 677
Clark (Should small cities do salvage wk.). 361
Cleveland f. alarm hdqrtrs. ready (ill.)..... 814
Cleveland lieut. questions (Q. & A.)..... 729
Cleveland wall-paper f. (ill.)..... 196
Coal pile, how to protect from f. (ill.)..... 239
Coates (Vol. f. dept., how to organize).. 113
Cobb on round world trip..... 12
Cobb visits foreign f. depts. (portr.-ill.).. 767
Coffee, Gamewell sales engr. dead (portr.). 1161
Compensation of f'men injured on country calls (edit.)..... 279
Concrete first floors as stops for basement fires (ill.)..... 1070
Conn. S. F. A. hold conv..... 774
Conran standpipe works from street (ill.). 1188
Conv., competitive tests at (edit.)..... 859
Convicts f. prison for revenge..... 934
Convicts locked in room with burning film. 694
Co-opera. by small depts. (edit.)..... 191
Cooperation with ch. (edit.)..... 1061
Coral Gables plans for f. sta..... 69
Cotton storage and ginning f. hazard..... 782
Council prepares for f. prev..... 826
Cramer (Raising f. hose to 30th floor) (ill.) 511
Crane branch mgr. for Eureka (portr.)..... 375
Crippen heads Ark. f'men..... 1196
Cuba proud of f. record..... 867

DALEY, CH., Brockton, drowned..... 414
Daley, Ch., funeral of (ill.)..... 456
Dallas f. dept., improvements made in..... 822
Dalles, Ore., ch. Learned dead..... 607
Daly (Capt., ques. asked at test for)..... 57
Daly (Deputy chiefs' exam. questions (ill.) 635
Daly (Detroit arson squad, work of) (ill.) 324
Daly (F. due to incompetent watchman) (ill.) 275
Daly (F. lines, how to stretch to 30th floor) 146
Daly (Getting hose to 30th floor) (ill.)..... 319
Daly (N. Y. f. loss reduced)..... 14
Daly (N. Y. f. d. valor awards)..... 458
Daly (N. Y. selects lieuts. to be promoted) 62
Daly (N. Y. tries radio for f'boats) (ill.). 278
Daly (One eng. co. protects Welfare Is.). 564
Daly (Salvage unit for Detroit f. d.)..... 467
Daly (Standpipe rules for N. Y.)..... 853
Darrow (Arson squads have effect on incendiarism) 559
David Campbell monument dedicated..... 606
Davis (Bldg. construc. hazards, avoiding) (ill.) 1008
Davis (Phila. f. dept. history) (ill.)..... 923
Dead ends in w. sys. (cor.)..... 159
Deck guns at large f. (ill.)..... 452
Dench (F'men reclaim old toys for poor children) (ill.)..... 934
Denger, ch. Davenport recovering (portr.). 197
Denver apparatus crash..... 1111
Dept. duty, what is (edit.)..... 641
Deputy chiefs' exam. questions (ill.)..... 635
Detroit adds another f. co..... 1202
Detroit arson squad, work of (ill.)..... 324
Detroit commn., action of, approved..... 1111
Detroit fights f. on 46th floor..... 366
Detroit f. ambulance has good record..... 678
Detroit f. buffs get helmets..... 368
Detroit f. d., salvage unit for..... 467
Detroit f. hdqtrs. plans ready (ill.)..... 462
Detroit to erect central f. hdqrtrs..... 285
Dezotell, B. W., with American Fomon.. 70
Dickinson named ch. in Brockton..... 728
Dickinson new ch. Brockton (portr.)..... 818
Discharge, effect of layout on (Q. & A.).. 943
Dodd (Los Angeles f. college course) (ill.) 929
Doebler, ch. of N. Tonawanda dead..... 785
Dominion A. F. C. conv. plans (portr.).. 250
Dominion A. F. C. conv. proceedings (portrs.) 682
Dominion A. F. C. conv. program..... 606
Door opener placed at Hempstead..... 197
Doors, revolving, crashing (Q. & A.)..... 1017
Dougherty, ch., guest of Box 52 Assn. (portr.) 506
Dougherty (Judgment needed in overhauling) (portr.)..... 591
Dougherty (Know your standpipe sys.) (portr.) 1183
Drennan, ex-f. commr., dead (portr.)..... 638
Drillmaster Murray trains f'men (portr.).. 12
Drill schools make better f'men..... 363
Drills, standard, best for f'men..... 409
Dust explo., flue gas may prevent..... 748
Dust explosions, industrial research..... 461
Dust used to fight foreign fires..... 335

E. A. F. C. & I. A. F. C. conv. proceedings (portr.) 1011

337934

E. A. F. C. directors meet..... 425
E. A. S. F. & P. T. meeting..... 24
E. A. S. F. & P. T. meet..... 202
E. A. S. F. & P. T. meet..... 1028
Eastern f. alarm supts. meet..... 655
E. Orange f'men trained for lecturers.... 726
Egner heads Salvage Corps Officers (portr.). 1067
Egner to attend I. A. F. C. conv. (ill.).... 812
Egyptian f. f. hold meet..... 816
Elec. fires have increased..... 942
Elec. hazards and the chief (edit.)..... 942
Electric heater causes 2 deaths..... 290
Elevation must be considered (Q. & A.).... 63
Elizabethtown f. ch. resigns..... 236
Elmira f., 4 die in (ill.)..... 1192
Engine h. p., finding (Q. & A.)..... 643
Engine performance (Q. & A.)..... 644
Engines in tandem (Q. & A.)..... 18
English f., explana. of (edit.)..... 15
Erie f. d., Leonard new ch. (portr.)..... 28
Espey, ch. has 24th anniversary (portr.)... 454
Eureka issues f. record book..... 250
European f. drills (ill.)..... 300
Evans, ch., New Orleans honors (ill.).... 1054
Evans puts over New Orleans f'mens increase..... 1056
Everett oil explo. (ill.)..... 153
Exam., short answer form (edit.)..... 455
Examina., short answer form of, criticises (cor.)..... 602
Ex-officer swear badges and uniforms, should?..... 860
Exposures overlooked—f. gets away (ill.). 681
Extinguisher, drop-bottle, fails in tests.... 332
Extinguishers on high tension lines (Q. & A.)..... 239
Extinguishers, pressure in (Q. & A.)..... 152

FACTORS, calculating (Q. & A.)..... 776
aker, watch out for..... 69
Fall River, large f. in (ill.)..... 143
Fall River tanks nearby cities..... 192
False alarm, convicted for sending..... 16
False alarm, men injured answering..... 210
False alarm run, 8 injured on..... 508
False & true questions (Q. & A.)..... 457
False & True statements (Q. & A.)..... 63
Farm and rural service, organizing f. co. for 300
Farmers not liable for injuries..... 295
Farm f. protec., good highways make possible 838
Farm fires total $150,000 a year..... 660
Farmingdale new f. app. (ill.)..... 376
Fendrich, V., honored..... 416
Film vault design in San Francisco (ill.).. 772
Filmer (Inspection helps to eliminate f. Hazards)..... 600
F. alarm boxes for small institutions (edit.) 367
F. alarm hdqrtrs. in Cleveland ready (ill.).. 814
F. alarm law, state compulsory, comply with 556
F. alarm, outside, how to estimate cost of.. 331
F. alarm sta. for Forest hills (ill.)..... 638
F. alarm sys. helps f'men give service..... 728
F. app. accidents (edit.)..... 103
F. app. and r. r. crossings (edit.)..... 149
F. apparatus, chasing (edit.)..... 1061
F. app. exhibit to be held in Italy..... 340
F. app., Fredericksburg honors old (ill.).... 326
F. apparatus hazard, another form (Cor.).. 1062
F. apparatus, insurance on (Q. & A.)..... 505
F. app. manufactured in Japan (ill.)..... 366
F. app., method of shipping to Pacific coast (ill.)..... 332
F. app. speed be reduced, should?..... 811
F. apparatus, what is real test of?..... 659
F. assn. contests, usual summer..... 376
F. assn. plan, more companies can respond under..... 558
F. boat, gaso. type, Pacific Coast develops (ill.)..... 735
F.—boat mascot trained to rescue people (ill.)..... 104
F'boat, new, in Seattle (ill.)..... 564
F. boats, new for Portland (ill.)..... 877
F. boats, rules for radio on..... 28
F., boiler shop, handling (ill.)..... 233
F. breaks out four miles from origin..... 186
F'bug, classifying and controlling..... 321
F., calcium carbide, w. hazard in (portr.).. 229
F. ch. Bennett prefers night fires..... 594
F. C. Council of Nassau County meet..... 1069
F. ch., how w. dept. can cooperate with.... 642
F. chiefs paid less than police chiefs..... 854
F. chief's wife acquitted for murder..... 230
F. chiefs working for nat'l memorial..... 276
F., closing iron shutters to hold (ill.)..... 725
F., coal pocket, gets away (ill.)..... 101
F. college course in Los Angeles (ill.).... 929
F. co., for farm and rural service..... 300
F. dept. assists at flood..... 838
F. dept. discipline..... 167
F. dept., junior, formed in Long Beach.... 660
F. dept. practice, safety first methods in.. 830
F. dept. publicity, how to get..... 769
F. dept. relief funds non-taxable (edit.).... 815
F. dept, rules and regulations, what should they include,.....931, 1057, 1099, 1141, 1185
F. depts. should produce revenue (ill.).... 1181
F. depts. survey being made of..... 157
F. depts., when liable..... 1139
F., dickers over cost of fighting..... 833
F. due to incompetent watchman (ill.)..... 275
F. engine another old (Cor.)..... 368
F. engine, 1796, who wants? (ill.)..... 466
F. engine, the oldest (edit.)..... 367
F. engine, who has oldest?..... 242
F. engine, who has oldest?..... 291
F. ENGINEERING, diploma awarded to (ill.) 1190
F. ENGINEERING, what readers think of.... 27
F. eng., one of oldest in U. S. (ill.)..... 150
F. equipment should not be tampered with.. 71
F. exhibits at local expositions (edit.).... 641
F. extinguisher heater on market..... 1195
F. extinguishers—their use.....1018, 1060, 1101
F., farm, to learn why w. starts..... 383
F.-fighter, smallest, now ready (ill.)..... 67
F. fighting, history and evolution of (ill.) 935
1059, 1104, 1147, 1193
F. f. hereditary among N. Y. officers..... 737
F. f. on other side of world (ill.)..... 767
F. f., part of youth in (edit.)..... 773
Fire, first efforts toward confining (ill.).. 593
F., gas, extinguishing (Q. & A.)..... 1107
F. gets away, small streams only (ill.).... 59
F., handling against odds (ill.)..... 857
F. hazards, inspection helps to eliminate. 600
F., heavy streams may have held (ill.).... 11
F. hose, care of (Q. & A.)..... 644
F. hose, coupling standardization, conference on..... 249
F. hose, how to raise to 30th floor (ill.).. 511
F. hose, running to 35th floor..... 510
F. hose, selecting (Q. & A.)..... 193
F. hose, stretching to high levels of bldgs. 552
F. hose, testing (Q. & A.)..... 554
F. house presented to city (ill.)..... 60
F. hydrants, pressure loss (Q. & A.)..... 953
F. in boiler plant (ill.)..... 189
F. in tank wagon (Q. & A.)..... 105
F., in time of, pray to Gods..... 606
F. lanes, scraper makes (ill.)..... 475
F. lines, how to stretch to 30th floor..... 146
F. lines, stretching to 30th floor..... 231
F. loss, inspec. of bldgs. under construc. lowers..... 790
F. losses in Ontario increased..... 650
F., making equipment fit (ill.)..... 809
F'man falls at drill school..... 67
F'man fights f. in own home..... 245
F'man, heaviest, in world (ill.)..... 1106
F'man hero of "Gen. Slocum" dead..... 830
F'man killed in roof fall..... 156
F'man, number of persons protected by... 1118
F'man, vol. duties of (Q. & A.)..... 1017
F'men aid horse rescue (ill.)..... 64
F'men aid poor at Christmas (ill.)..... 58
F'men as traffic officers (edit.)..... 191
F'men, calling, in emergencies (edit.)..... 773
F'men's cycle club elects officers..... 1110
F'men drag hose up 23 floors..... 604
F'men, drill schools make better..... 363
F'men, elect to village council (edit.)..... 599
F'men held for perjury..... 249
F'men hospital planned for..... 75
F'men injured in truck crash..... 116
F'men not always to blame (ill.)..... 933
F'men reclaim old toys for poor children (ill.)..... 934
F'men rescue men overcome by gas..... 476
F'men, standard drills best for..... 409
F'men test waterproof suits (ill.)..... 464
F'men try to outwit escaped monkey..... 698
F'men, 2, killed at dept. drills..... 502
F'men, when bees come, call..... 606
F'men's muster, old order of exercises of. 514
F. methods, miniature bldg. demonstrates (ill.)..... 1010
F. officers as orators (edit.)..... 641
F. panic, protect against in theatres..... 463
F. panics, comparison in (edit.)..... 503
F. preventing, before occurs..... 772
F. prev. council prepares for..... 826
F. preven., giving ch. power in (portr.).. 722
F. prev. in Cape Cod..... 1202
F. prev. in the r.r. (edit.)..... 61
F. prevention league formed..... 1111
F. prev. methods, educating youth in..... 1051
F. prev. week (edit.)..... 1015
F. prev. week, ready for (ill.)..... 858
F. prev. work pays in Grand Rapids..... 779
F. preventionists, goats are..... 829
F. prot., cooperatipe, ruling blocks..... 702
F. protec. methods in Germany (ill.)..... 109
F. prot. no. in state prison (edit.)..... 683
F. protec., rural, plant for..... 456
F. protec., rural, problem of (edit.)..... 859
F. protec. service crippled by sticks (ill.). 124
F. resistance of concrete brick walls..... 414
F. run, world's longest (ill.)..... 273
F. school at Norwalk..... 745
F. school, short, held in Minn..... 786
F. service, civil service survey in..... 925
F. spite, burning 43 yrs..... 197
F. sta. and city hall combined (ill.)..... 362
F. sta., central, Milford to have (ill.).... 734
F. sta. design, special (ill.)..... 377
F. sta. in Chicopee has unique features (ill.)..... 364
F. sta., looting (edit.)..... 413
F. sta., new, for Barnard (ill.)..... 1096
F. sta., new, for Charlotte (ill.)..... 408
F. sta., new, for Chicago (ill.)..... 290
F. sta., new for Chicago (ill.)..... 636
F. sta. to be erected in Middletown (ill.). 243
F. stations, new in New England (ill.).... 678
F. stations planned for San Antonio....602, 1108
F. stations should be f. resistant (edit.).. 683
F. tenement, procedure at (Q. & A.)..... 505
F. trap hospital evacuation (edit.)..... 325
F. trap hospital ordered razed..... 322
F. truck wrecked to save child (ill.)..... 106
F. truck, street car rams..... 276
F. trucks, forethought versus (ill.)..... 771
F. trucks, windshields on (Q. & A.)..... 239
Fires confined to place of origin (edit.).. 815
Fires, exposure, who should pay..... 407
Fires, foreign, dust used to fight..... 335
F's. in frame tenements, how to fight (ill.) 99
Fires in small town, preven..... 939
Fires, two at once..... 194
Fires, 2% of, get away..... 938
First-aid course, Cal. f. depts. complete (ill.)..... 689
Fisher (Standard drills best for f'men) (portr.)..... 409
Flag courtesies, f'men should know (ill.).. 423
Flagg (Who should pay for exposure fires) 407
Flannery, N. Y. F. D., honored (portr.).. 1190
Flood lights for Chicago night fires (ill.).. 1142
Flood lights, Kohler Co. makes..... 965
Flue gas may prevent dust explo..... 748
Foam sys., new, tested at Newark (ill.).. 120
Foam, value of in oil tank f. (ill.)..... 944
Fomon display in Atlantic City (ill.)..... 1074
Football game to aid emergency fund..... 988
Forest f. season here (ill.)..... 786
Forest fires, mapping by airplane (ill.).. 1093
Forest Hills fire alarm sta. opened (ill.).. 638
Formula figures, explana. (Q. & A.)..... 685
Ft. Dodge has low f. loss..... 114
Fortin devices exhibited at N. E. F. C. A. conv. (ill.)..... 616
Foster (Should f. app. speed be reduced) (portr.)..... 811
Fourth of July, what are you going to do about?..... 509
Francis, ch. New Brunswick praised..... 112
Fredericksburg honors old app. (ill.)..... 326
Fresno considering underwriters' report... 561
Fresno, firebug, how planned f. (ill.)..... 780
Fresno f. d., Williams new chief (portr.). 781
Fresno f'men honor ex-ch. Baird..... 684
Frostburg new pumper (ill.)..... 648
Funerals, conduct at (Q. & A.)..... 775

GAINESVILLE new f. alarm sys. (ill.). 160
amewell, Coffee, sales engr., dead (portr.) 1161
Gamewell Co. annual dinner (ill.)..... 69
Gamewell Co. sales organization (ill.)..... 972
Garage planned to solve parking problem.. 414
Gas f., extinguishing (Q. & A.)..... 1107
Gas mask tested for acrid fumes in N. Y. (ill.)..... 462
Gauthier (Ventilation, value of)..... 833
Geiger (Asbestos tubes for fighting oil f.) (ill.)..... 108
Geiger (R. r. f. d. guards line) (ill.)..... 618
Gempp, ch., want f. preven. data..... 1025
George of Houston, dead..... 833
Germany, f. protec. methods in (ill.)..... 109
Gillooly (Comply. with state compulsory f. alarm law)..... 556
Gilson designs new type nozzle (ill.)..... 980
Goodcell (Mapping forest fires by airplane) (ill.)..... 1093
Goats are f. preventionists..... 829
Goodrich, Dr., dies..... 116
Governors, three attend P. C. A. F. C. conv. (portrs.)..... 1064
Grain fields destroyed by f..... 838
Grand Rapids proves f. prev. work pays.. 779
Greenport shipyard f. (ill.)..... 732
Groover (F. dept. discipline)..... 167
Group insurance for f'men (edit.)..... 1189
Growing recognition (edit.)..... 1105
Gunther, Ch. Port Washington, dead (portr.) 607

HACKETT (Milwaukee f. d. instructs public) (ill.)..... 9
Hammond pottery plant f. (ill.)..... 779
Harrington-Seaberg, new plant for..... 384
Harrisburg, volunteers protect..... 945
Hartford has new f. company..... 650
Hartford to revise bldg. code..... 155
Hawcroft, ch. of Reno killed (portr.).... 1106
Heilden to tour Europe (portr.)..... 374
Helena business block f. (ill.)..... 687
Help, calling (Q. & A.)..... 601
Henderson, ch. Bradford dead (portr.).... 70
Herring, ch., uses skull in talk..... 1106
Hillsboro, O., f. (ill.)..... 196
Hoboken w. front f. (ill.)..... 65
Hoilingsworth, asst. ch., dead (portr.).... 322
Hollywood cigar lighter f. (ill.)..... 821
Hood Rubber Co. dump f..... 472
Hose, cotton, care of (Q. & A.)..... 327
Hose, getting, to high f. (Q. & A.)..... 1063
Hose, getting to 30th floor (ill.)..... 319
Hose, linen, friction in (Q. & A.)..... 151
Hose, 1½-inch, factors for (Q. & A.)..... 861
Hose standardization work progress (ill.). 519
Hose, stretching to 30th floor (Cor.)..... 368
Hose, suction, pressure loss in (Q. & A.).. 152
Hose threads, San Antonio to convert.... 1161
Houston, George of, dead..... 833
Huber (Assignment card to reduce runs) (ill.)..... 187
Hudson Valley V. F. A. have novel card.. 786
Hultman, Comm. on sea trip (portr.)..... 276
Hunt, Dr., head of f. surgeons dead..... 430
Hunter, ch., Springfield, O., retired (portr.)..... 416
Hydrant capacity (Q. & A.)..... 458
Hydrant lines would have helped (ill.).... 147
Hydrant turned on instead of off..... 612
Hydraulics, comments on (Q. & A.)..... 18
Hydraulics in Mass. exam. (Q. & A.)..... 775
Hydraulics of small lines (Q. & A.)..... 151

ICE plant f. (ill.)..... 452
ll. cities, arson squads in..... 464
Ill. F. A. conv. program..... 786
Ill. F. A. hold conv..... 867
Ill. f'men to arrange exhibits..... 1154
Ill. Short F. Course program..... 511
Ill. short course to meet..... 244

Imposter, further details on..... 106
Increased pay or more time off (edit.).... 235
Ind. F. C. A. meet in Ft. Wayne..... 854
Ind. F. A. hold conv..... 781
Ind. has essay contest..... 148
Industrial plant hazards..... 82
Insignias, origin of (Q. & A.)..... 18
Inspec. of bldgs. under construc. lowers f. loss 790
Inspection plays part in elimina. f. hazards. 600
Inspections, benefits of..... 451
Inspections, how cities conduct..... 865
Inspections, should small depts. do (edit.).. 599
Ins. & f. prot. should work for same goal.. 382
Insurance fraud, 11 indicted in..... 516
Internat'l Assn. Elec. Inspectors meet..... 869
I. A. F. C. & E. A. F. C. conv. proceedings (portrs.) 1011
I. A. F. C., Beckert to run for treas. (portr.) 548
I. A. F. C., Bermuda trip planned for..... 552
I. A. F. C. conv. (edit.)..... 815
I. A. F. C. conv., all space taken..... 733
I. A. F. C. conv. demonstrations..... 1031
I. A. F. C. conv., Egner to attend (ill.).. 812
I. A. F. C. conv. exhibits..... 1031
I. A. F. C. conv., hotel rates for..... 234
I. A. F. C. conv. list of attendance..... 1023
I. A. F. C. conv. make arrangements..... 816
I. A. F. C conv. make reserva..... 860
I. A. F. C. conv., New England chiefs have special train to..... 816
I. A. F. C. conv. notes..... 1032
I. A. F. C. conv. plans..... 205
I. A. F. C. conv. plans for 1929..... 1152
I. A. F. C. conv. program..... 821
I. A. F. C. directors to meet (portrs.).... 1062
I. A. F. C. directors to meet Feb. 14..... 62
I. A. F. C. directors' meet, date changed.. 104
I. A. F. C. directors' meeting date changed 1106
I. A. F. C. dist. assns. have luncheon..... 1031
I. A. F. C., southern regulars special train.. 642
Int'l truck sent to Sweden (ill.)..... 336
Ia. f. losses decrease..... 206
Ia. F. A., plan conv. program..... 607
Ia. S. F. P. A., Vincent heads..... 509
Italian co. uses foam generators (ill.)..... 115
Italy, N. Y. F. D., not to go to..... 688

JACKSON to have two-platoon sys..... 64
Jacksonville f'men proud of chief..... 940
Jacksonville, Perry asst. ch. of..... 1056
Japan, f. app. manufactured in (ill.)..... 366
Japan f. depts. fire prevention work..... 1074
Jap. f'men conduct f. exhibitions (ill.)..... 148
Jersey City cars have safety glass..... 339
Jersey City plant f. (ill.)..... 508
Jersey City wins f. cup contest..... 554
Jesse, ch., Lexington, resigns (portr.)..... 16
Journal box, ignition of oil in (Q. & A.).. 729
Joynes, ch., presented with watch..... 62
June losses low in New England..... 651
Junk shop f. gets away (ill.)..... 1097

KANSAS City packing house f. (ill.)..... 66
Kansas S. F. A. conv. date changed..... 816
Kan. S. F. A. to form school..... 1148
Keansburg pier f..... 460
Kellogg, called dean of chiefs..... 454
Kenlon & Archer in Germony (ill.)..... 816
Kenlon-Archer party back to N. Y. (ill.).. 932
Kenlon, ch., departs for Europe (ill.)..... 692
Kenlon observing European f. methods (ill.) 854
Keokuk, ch. Anderson, 50 yrs. in service (portr.) 1182
Kilsoot powder popular..... 71
Kohler Co. makes flood lights..... 965
Knight ch. at N. Tonawanda (portr.)..... 869
Knoxville f'men pay increased..... 13
"K", values of (Q. & A.)..... 18

LACQUERS, data offered on..... 186
Lacquer, spray, use of..... 465
Lacquers, suggestions on use of..... 829
Ladder, 55 ft., raising (Q. & A.)..... 415
Ladder, placement of, for rescue work (Q. & A.)..... 281
Ladder, scaling, (edit.)..... 456
Ladders, raising and lowering (Q. & A.).. 685
Landrey, ch. Troy, O., asked to resign.... 330
Lane (Amateur wiring causes many fires).. 609
Laurel lumber yd. f. (ill.)..... 651
Layout, effect of, on discharge (Q. & A.).. 943
Learned, ch., Dalles, Ore., dead..... 607
Leather coats, synthetic, hazardous..... 945
Leave of absence (Q. & A.)..... 775
Legalizing conv. expenditures (edit.)..... 279
Leonard new ch. of Erie, Pa. (portr.)..... 28
Lessons of 23rd floor f. (edit)..... 599
Lieut. exam., suggested ques. for..... 449
Lieut. questions in Cleveland (Q. & A.).... 729
Life belt, bronze cable strengthens (ill.).. 728
Lindbergh & French aviators Panama City greet (ill.) 152
Locke (F. prev. work pays in Grand Rapids) 779
Lockport business sec. f. (ill.)..... 242
London, f. in s. e. section (ill.)..... 945
London lumber yd. f. (ill.)..... 510
Los Angeles f. college course (ill.)..... 929
Los Angeles f'men contests (ill.)..... 27
Los Angeles f'men watch dust explo. experiments (ill.)..... 230
Los Angeles football team..... 822
Los Angeles tire shop f. (ill.)..... 62

Los Angeles wins football match with N. Y. (ill.) 1024
Loud speaker aids telephone alarms (ill.).. 1051
Lumber f., holding down with second alarm (ill.) 1055
Lumber f. needs big streams (ill.)..... 1013
Lumber yd. f..... 459
Lunatic escapes in f. app..... 330
Lundquist (Pension fund for f. depts.).... 980
Lynn box-toe factory f. (ill.)..... 1109

McAULIFFE (New f. patrol hdqrts. for Chicago) (ill.) 185
McBride, ch., praised for work (ill.)..... 16
McCarthy (Fires in frame tenements)..... 99
McCarthy honored on anniversary..... 1198
McCartin, ch., as a boxer (ill.)..... 1150
McDonald (Stretching f. hose to high levels of bldgs.) 552
McFarland (Portland, Ore., arson squad) (ill.) 54
Machine shop shaft f. (ill.)..... 937
MacMillan, ch., f'men proud of..... 940
Magirus Co., head dead..... 244
Magirus ladders, many delivered (ill.).... 70
Magirus, pioneer app. builder..... 291
Magirus truck in Milwaukee equipped with life belt (ill.) 784
Mail trucks, relief valves, etc. (Q. & A.).. 193
Me. S. F. A. meet..... 1032
Mainzer, N. Y. f. d., married..... 1032
Manhasset-Lakeville has new f. app. (ill.).. 1196
Marion, Ill., truck in crash..... 13
Marshalltown may increase wages..... 777
Mass. chiefs endorse pending bills..... 28
Mass. chiefs have ladies' day..... 869
Mass. F. C. Club meets...75, 202, 292, 378, 523, 1032
Mass. F. Chiefs' Club to meet..... 250
Mass. F. Chiefs Club Nov. meeting..... 1148
Mass. promotional questions (Q. & A.).... 1151
1191
Mass. S. F. A. conv. report..... 862
Mass. S. F. A. to meet..... 638
Matches, dangerous, found..... 236
Meigs (Ins. & f. prot. should work for common goal) (portr.)..... 382
Membership drive, conducting (Q. & A.).. 237
Memorial, a practical (edit.)..... 279
Memorial, f'mens inspect site for..... 1028
Memphis new f. alarm office (ill.)..... 383
Mendelssohn, P., leaves for Honolulu..... 563
Mersey river coated with gaso..... 20
Miami, new f. station (ill.)..... 552
Mich. f'men win compensation fight..... 722
Mich. S. F. A. meet..... 745
Middletown to erect f. sta. (ill.)..... 243
Milford to have new central f. sta. (ill.).. 734
Milwaukee f. d. instructs public (ill.).... 9
Milwaukee office bldg. f. (portr-ill.)..... 507
Mine Safety adds to sales force..... 156
Mine Safety Co. opens Pacific office..... 1195
Minneapolis, Ch. Ringer outlines plans for. 938
Minn. has short f. school..... 786
Miss. river bridge f. (ill.)..... 860
Monroe high school f. (ill.)..... 461
Montezuma gasoline f. (ill.)..... 774
Mutual f. aid assn. formed..... 290

NAKAMURA (Japan f. depts. progress in f. prev.) (portr.)..... 1074
Nashville insane asylum f..... 777
Nat'l Bd. Underwriters form local arson bu 866
N. F. P. A. meeting..... 425
N. F. P. A. to meet..... 368
N. F. P. A. offices to move..... 820
Nat'l f. waste contest, Phila. wins, (portrs.) 280
Nat'l F. Waste Council forms school com. 1201
N. F. W. C. visit Coolidge (ill.)..... 936
Nat'l memorial, chiefs working for..... 276
Naugatuck business block f. (ill.)..... 154
Neale (Industrial plant hazards)..... 82
Newark has f. prev. trophy (ill.)..... 1058
Newark, new foam sys. tested at (ill.).... 120
New Britain church f. (ill.)..... 195
New Britain honors old timers..... 324
N. E. A. F. C. conv., all exhibit space sold 380
N. E. A. F. C. conv. exhibit space for... 290
N. E. A. F. C. conv. exhibits..... 516
N. E. A. F. C. conv. plans..... 285
N. E. A. F. C. conv. proceedings (portrs.-ill.) 589
N. E. A. F. C. conv. program 514
N. E. A. F. C. Directors meeting..... 514
N. E. A. F. C. list of attendance..... 615
N. E. A. F. C. plan for conv..... 157
N. E. A. F. C. plans exhibits (ill.)..... 326
New England chiefs' delegation..... 1031
New England chiefs enjoy f'boat trip (ill.) 1056
New England chiefs, special train for..... 816
New England f. houses under construc. (ill.) 678
New England f. losses in June low..... 651
New Hamp. S. F. A. hold conv..... 825
New Haven printery f. (ill.)..... 65
N. J. & N. Y. Volunteers meet..... 412
N. J. & N. Y. Vol. F. A. meeting..... 528
N. J. & N. Y. Vol. F. A. meet..... 598
N. J. and N. Y. assn. meets..... 687
N. J. & N. Y. Vol. F. A. meet..... 1056
N. J. S. F. A. & N. J. S. F. C. A. to meet 822
N. J. F. C. A. meeting..... 68
N. J. f'men convene in Atlantic City..... 864
N. J. S. F. C. A. meeting..... 513
New Kensington, Pa. emergency (ill.).... 245
N. Mex. S. F. C. A. conv. program..... 616
N Mex. S. F. C. A. conv. (ill.)..... 736
New Orleans furniture house damaged.... 372
New Orleans honors ch. Evans (ill.)..... 1054

New Orleans sons of f'men band organized (ill.) 724
Newport business section f. (ill.)..... 284
Newport plans f. improvements (portr.).. 32
N. Y. accepts football challenge..... 250
N. Y. business bldg. f. (ill.)..... 330
N. Y. chiefs, sons of, promoted (ill.).... 1103
N. Y. church f. (ill.)..... 372
N. Y. co. officers must hold daily drills.. 1117
N. Y., cotton f. at Pier 14 (ill.)..... 864
N. Y. cycle club elects honorary members. 464
N. Y.-Detroit baseball game (ill.)..... 686
N. Y. draws larger f. budget..... 1058
N. Y. dry goods bldg. f. (ill.)..... 19
N. Y. elevated line f. (ill.)..... 329
N. Y. exam. questions for capt..... 57
N. Y. f boat practice (ill.)..... 938
N. Y. f'boat rescues ferryboat..... 330
N. Y. f'boats, radio control of successful (ill.) 450
N. Y. F. D. not to go to Italy..... 688
N. Y. f. d., Staten Is. div. has many kinds of fires (ill.)..... 809
N. Y. f. d. tests Sherry-Netherlands standpipe (ill.)..... 24
N. Y. f. d. valor awards..... 458
N. Y. f. due to incompetent watchman (ill.) 275
N. Y. f. loss reduced..... 14
N. Y. f'man injured in app. crash (ill.).. 824
N. Y. f'man to go with Byrd..... 781
N. Y. f'men liable for accidents..... 340
N. Y. f'men lose football match with Los Angeles (ill.)..... 1024
N. Y. f'men pay bill killed..... 285
N. Y. f'men selected for trip to Italy.... 642
N. Y. forms bldg. inspec. squad (ill.).... 291
N. Y. holds batt. ch. test (ill.)..... 679
N. Y., how, planned for elec. fires..... 1062
N. Y. institutions must have protec..... 568
N. Y. lumber yd. f. (ill.)..... 863
N. Y., many fires in Feb. (ill.)..... 236
N. Y. may have new bldg. code..... 1016
N. Y. night revelers pull false alarms.... 693
N. Y. officers join E. A. F. C..... 152
N. Y. officers join eastern group..... 254
N. Y. patrol spreads 42,000 covers..... 464
N. Y. presents valor medals..... 561
N. Y., Queens borough to have new f. sta. 513
N. Y. Queens borough, new f. alarm sta. 693
N. Y. repair shops kept busy..... 1064
N. Y. revises standpipe rules..... 523
N. Y. revives board of inquiry..... 1111
N. Y. sanitarium f. (ill.)..... 555
N. Y. selects lients. to be promoted..... 62
N. Y. selling football tickets..... 860
N. Y. smoke house, gas mask tested for acrid fumes (ill.)..... 462
N. Y. stages a clean-up..... 380
N. Y. new standpipe rules.....853, 946, 1068
1114, 1196
N. Y. tenement house f. (ill.)..... 826
N. Y. S. F. C. A. conv. date set..... 150
N. Y. S. A. F. C. program..... 425
N. Y. S. F. A. hold conv..... 778
N. Y. S. institutions must each have alarm box 375
N. Y. subway cars protected by tower (ill.) 770
N. Y. tenement house fire (ill.)..... 116
N. Y. three incendiary fires in..... 1150
N. Y. to hold deputy ch. exams..... 504
N. Y. to send companies to Italy..... 571
N. Y. tries radio for f'boats (ill.)..... 278
Newspaper does not believe in sane Fourth (ill.) 604
Nitric acid, effects of (Q. & A.)..... 238
Noll (Judgment must be used in ventilation) (portr.) 547
N. Tonawanda, Ch. Doebler of, dead..... 785
N. Tonawanda, Knight, chief of (portr.).. 869
Northwest F. School program..... 689
Norwich, Ch. Stanton, retired..... 1185
Nozzle, determining size of (Q. & A.).... 327
Nozzle, new type (ill.)..... 69
Nozzle, new type, Gilson designs (ill.).... 980
Nozzle pressure and stream range (Q. & A.) 1107
Nozzle pressure, calculating (Q. & A.)... 370
Nozzle pressures and flows (Q. & A.).... 105
Nozzle pressure on branched lines (Q. & A.) 506
Nozzle, proper, at large fires..... 468
Nozzles, discharge from small (Q. & A.).. 237

OAKLAND patrolman exhibits strength (ill.) 560
O'Donnell (Small depts. should perform salvage work) 516
Officers, favoritism in appointment (edit.). 683
Ohio F. C. A. conv. proceedings..... 550
Ohio prison f. (ill.)..... 1109
Oil, buoyancy of (Q. & A.)..... 1063
Oil coat factory f. (ill.)..... 1187
Oil, denies increased hazard from..... 116
Oil, ignition of, in journal box (Q. & A.) 729
Oil losses in storage (Q. & A.)..... 643
Oil storage, hazards of underground (Q. & A.) 370
Oil tank f. handled with w. (ill.)..... 639
Oil tank f., value of foam in (ill.)..... 944
Oil well, a burning (ill.)..... 500
Oil well f. (ill.)..... 527
Oils, dangerous (Q. & A.)..... 553
Ontario high school f. (ill.)..... 459
Openings, unprotected, cover (ill.)..... 323
Ore. F. C. A. meeting..... 616
Ossining prison f..... 1195
Ottawa hotel f. (ill.)..... 460
Overall (Concrete first floors as stops for basement fires (ill.)..... 1070
Overhauling, judgment needed in..... 591
Owen (Physical requirements of rookie).. 1095
1143

P.C. A. F. C. conv. program 824
P.C. A. F. C. planning t. school 160
Pacific coast develops gasoline type f. heat. 735
Packard, ex-ch. Quincy, Mass., dead 335
Paint spraying processes, Detroit report warns against 155
Panama has excellent f. loss record 420
Panic distorts eyesight 1028
Paris to have apparatus exhibition 1139
Parker (F. depts., when liable) 721
Parker (Who is liable for property loss?) 235
Parking and highway congestion (edit.) ... 727
Parking, angle, menace of 115
Parking bill for autos 413
Parking problem (edit.) 502
Pasadena f'men fad is golf (ill.) 459
Paterson has dept. store f. 564
Patterson (New Seattle f'boat) (ill.) .....
Patterson (Pittsburgh f. d. emergency co.) (ill.) 156
Patterson (Pittsburgh f. loss report for 1927) 332
Pay as you go in f. protec. (edit.) 367
Pay, full, where allowed for sickness (Q. & A.) 238
Pearse helps entertain inspectors (portr.) .. 869
Peat (How to get f. dept. publicity) 769
Peekskill business area f. (ill.) 240
Pekin business section f. 417
Pelham Manor f. apparatus, vandals wreck. 1118
Pelham Manor f. d. has paid ch (portr.). 504
Pension fund for f. depts 980
Pension plan, proposed new (edit.) 61
Perry becomes Jacksonville asst. ch. 1056
Persons, how many, each f'man protects (edit.) 1105
Petroleum, spontaneous ignition from (Q. & A.) 193
Phila. conv. (edit.) 235, 1015
Phila. distillery plant f. (ill.) 1065
Phila. f. app. crash 1195
Phila. f. dept. history (ill.) 923
Phila. warehouse f. (ill.) 651
Phila. wins Nat'l f. waste contest (portr.) 280
Phomene accumulator sys. tested 67
Pilch (F'men not always to blame) (ill.) .. 933
Pittsburgh f. d. emergency co. (ill.) 156
Pittsburgh f. loss report for 1927 332
Pittsburgh theatre bldg. f. (ill.) 731
Plant f'men, training in summer (ill.) 472
Plunge, capacity of (Q. & A.) 238
Port Chester's f. f. facilities 737
Portland chiefs presented with badges 556
Portland honors boy orator 1108
Portland inventor tests asbestos suit (ill.) 1186
Portland new squad wagon (ill.) 291
Portland, Ore., arson squad (ill.) 55
Port Washington ch. Gunther, dead (portr.) 607
President issues f. prev. proclamation 826
Price is now a Ky. Colonel 598
Property loss, who is liable for? 721
Protecting f'men from liability (edit.) 325
Pulaski has flapper fannie club (ill.) 1111
Pump, w. lifted without aid of (ill.) 1066
Pumper capacity at different pressures (Q. & A.) 327
Pumper, capacity of (Q. & A.) 775
Pumper, discharge from (Q. & A.) 553
Pumper, power of (Q. & A.) 457
Pumper test in Los Angeles (ill.) 559
Pumpers, how to get capacity from 97
Pumping capacities, apparatus mfgrs. consider 649
Pumps, priming, positive displacement (Q. & A.) 369
Punch bowl set with f. d. motive (ill.) 1184
Pye, ch., Stoughton, dead 156
Pyrene develops new foam sys 34

QUAKER Oats Co. factory f. dept 246
Quebec school f. (ill.) 154

RACING stables f. (ill.) 945
Radcliffe, exhibition drill at 364
Radio control of f'boats successful (ill.) .. 450
Radio f. alarm tested in Chicago 814
Radio, N. Y. tries, for f'boats (ill.) 278
R. r. charged for obstruction 156
R. r. f. d. guards 7,000 miles of line (ill.) 618
R. r. shed f. 157
Railroads reduce f. loss 71
Railroads urge protec. of jobs (ill.) 825
Reaction and back pressure (Q. & A.) 1017
Reading considering paid dept 745
Rebuke, was this, justified? (edit.) 1189
Reilly (Bldg. construc. changes prob. for chiefs) 785
Reno, ch. Hawcroft of, killed (portr.) 1106
Rescue work, device for (ill.) 869
Results which do not tally (Q. & A.) 369
Resuscitation work, booklet on 741
Revision of bldg. codes (edit.) 149
R. I. chiefs hold meeting 242
R. I. F. C. Club have meeting 295
Richardson again at work 860
Richards, f. alarm mfgr. dead 416
Richard interested in extinguisher 825
Ringer outlines future plans 938
Ritchie (Safeguarding spraying processes) (ill.) 855
Riverhead business sec. f. (ill.) 373
Roberts, E. J., now chief at Miami 250
Rochester business bldg. f. (ill.) 153
Rockland Co. Assn. meets 688
Rockland Co. V. F. A. meet 873
Rockland co. vol. hold meeting 1146
Roddy, ch., presented with sedan 69
Rome, Ga., arson fires 70
Rooing law, new 16
Rookie, physical requirements of 1095, 1143
Rosar, ch., celebrates anniversary (portr.). 206
Rubber suits for f'men (ill.) 942
Rural f. d., experiences of 167
Rural f. protec. (edit.) 149
Rural protec. bill drawn in Wash 873
Russell (Inspec. of bldgs. under construc. lowers f. loss) 790

SAFES tested by Wash., D. C., f. d. (ill.) 557
Safety first methods in f. dept. practice .. 830
Safety measures recommended 159
Saginaw loses compensa. suit 556
Salamanders cause fires (ill.) 13
Salary raise, fighting for (edit.) 503
Salem f'men observe anniversary 1098
Salvage corps men to meet with chief 776
Salvage Corps Officers Assn. meet (ill.) .. 1014
Salvage Corps Officers, Egner heads (portr.) 1067
Salvage covers save possible losses 660
Salvage covers, use of (Q. & A.) 194
Salvage unit for Detroit f. dept 467
Salvage work, is ventilation part of? 677
Salvage wk., should small cities do 361
Salvage work, small depts. should perform. 516
Sammis (Tournaments for vol. f. depts.) .. 201
San Antonio, new f. stations planned for .. 602
1108
San Antonio to convert hose threads 1161
San Bernardino has 2 platoon sys 826
Sanborn Map Co. collects shingle data 826
San Francisco bureau supported 877
San Francisco, f. house presented to (ill.) .. 60
San Francisco f'men train (ill.) 971
San Francisco f. school (ill.) 868
Santa Fe Springs, oil explo. (ill.) 867
Sarran (Drill schools make better f'men) .. 363
Saunders, ch., Lowell, removed (portr.) .. 148
Schooner wrecked by blast (ill.) 512
Scranton newspaper bldg. f. (ill.) 329
Scranton school house f. (ill.) 420
Scraper makes f. lanes (ill.) 475
Seagrave gives repair aid 69
Seagrave opens new branch in N. Y 693
Seagrave salesmen at company conv. (ill.). 1157
Seattle f'men injured 475
Seattle new f'boat (ill.) 564
Seneca raised to surface after f. (ill.) 1198
Setting-up exercises (edit.) 551
Shake down or shake-up (edit.) 103
Shallow, dep. ch., dead (portr.) 76
Shaw (Loud speaker aids telephone alarms) (ill.) 1051
Shepperd (History and evolution of f. fighting) (ill.) 935, 1059, 1104, 1147, 1193
Short, Asst. ch. Atlanta, dead 200
Sidney has new aerial ladder (ill.) 1161
Sinclair Oil Co. refinery f. (ill.) 468
Sioux City f'men fight for raise 502
Six-County Assn. meets 604
Slav f. brigades, congress planned 506
Sliding pole, brass, doctors against 1014
Sliding poles or no sliding poles (edit.) 1061
Sliding pole used by others (ill.) 1102
Smith, Gov. reviews f'mens parade (ill.) 190
Smoke inhalation compensable accident, is? (edit.) 15
Smoking in places of amusement (edit.) .. 551
Soldiers needed to guard f'men (edit.) 103
"Soldiers of peace" under f. (edit.) 61
S. Africa storage f. (ill.) 339
S. Boston church f. (ill.) 241
So. Cal. F. C. A. formed 64
S. Car. F. A. meeting 519
Southern regulars to have special train 642
Southern N. Y. Vol. F. A. meet 563
S. E. F. C. A. conv., list of attendance 650
S. E. F. C. A. conv. plans and program 548
S. E. F. C. A. conv. proceedings (portrs.) .. 637
S. E. F. C. A. officers appointed 112
S. E. F. C. A. to meet in July 471
S. W. A. F. C. meeting date 116
S. W. F. C. A. formed 282
Southwestern N. Y. F. A. conv 774
Soviet Russia orders f. apparatus 16
Specification hose to the fore (edit.) 941
Speed, f. apparatus, should, be reduced? 811
Spencer designs suction pipe for docks (ill.) 1108
Spencer (No. f. on U. S. navy ships) (ill.). 145
Spokane adopts 2 platoons 192
Spontaneous combustion blamed for barn fires 983
Spontaneous ignition from petroleum (Q. & A) 193
Spraying processes, safeguarding (ill.) 855
Spray lacquer, use of 465
Spring valley, inspec. at 1025
Sprinklers, failure of, blamed for plant losses 571
Sprinklers, trouble with (Q. & A.) 63
Sprinkler sys. leaks, damage by 374
Sprinklers, should f'men inspect? 499
Sprinklers, where, were uless (ill.) 549
Standpipe, Conran, works from street (ill.). 1188
Standpipe, exterior (Q. & A.) 105
Standpipe rules for N. Y...853, 946, 1068, 1114
1196
Standpipe sys., know your 1183
Stanton, ch., Norwich retired 1185
Static pressure (Q. & A.) 194
Static pressure (Q. & A.) 239
Steam shovel fights peat f. 82
Stephen (Preventing fires in small town) (portr.) 939
Stephen (W. hazard in calcium carbide f. (portr.) 229
Still alarm or box notification of f. (Cor.). 684
Stevens (Educating youth in f. prev. methods) 1051
Storage, oil losses in (Q. & A.) 643
Stowe, ch. gets permanent job (portr.) 290
Stream, heavy, getting a (Q. & A.) 1191
Stream range, nozzle pressure and (Q. & A.) 1107
Steams, big, indispensable (ill.) 1145
Streams, heavy, for large areas (ill.) 411
Streams, intense heat needs heavy (ill.) ... 501
Streams, would small have been better (ill.) 277
Stucco prevents spread of f. (ill.) 968
Students burn their sorrows 558
Submergence, results of (Q. & A.) 239
Suction pipe for docks and piers (ill.) 1108
Sulphur can become bad actor 820
Sulphuric acid can't wash off 1195
Sumner lumber yd. f. 820
Suter (Nozzle, proper, at large fires) 468
Swander (How to get capacity from pumpers) 97
Swander (Should f'men inspect sprinklers?) 499
Syracuse oil tank f. (ill.) 645
Syria motion picture theatre f. (ill.) 642

TACOMA orders new f'boat 867
Taliaferro (Cotton storage and ginning f. hazard) 782
Tank truck f. (Q. & A.) 601
Taylor, ch., gets new car (ill.) 458
Tar for protecting ropes (Q. & A.) 415
Tax on insurance cos. (edit.) 150
Telephone alarms, loud speaker aids (ill.). 1051
Texas pushes standardization work 326
Thames river set on f. 116
Theatre f. causes 100 deaths 873
Theatres, protect against f, panic 463
Thompson, ex-ch. Toronto, dead (portr.) .. 414
Thomasville f. co. wins prize (ill.) 865
Thompson, J., passing of (edit.) 413
Thurston, ch. of Honolulu dead (portr.) .. 192
Toronto adopts uniform school alarm 322
Toronto church f. (ill.) 20
Toronto church f. (ill.) 283
Tournaments for vol. f. depts 201
Tracy, Jacksonville, pensioned 1032
Traffic, f. co. stops to untangle 202
Traffic lights, should control f. app.? (edit.). 1189
Traffic problem, each city must solve its own 874
Trend of roofing laws (edit.) 15
Turin exhibit, many attracted to (ill.) 1111
Turin exposition, many chiefs at 1016
Two platoons in Jersey (Q. & A.) 18
Two plattons sys., in San Bernardino 826

UNIFORM regulations (Q. & A.) 369
Uniform school f. alarm (edit.) 325
U. S. navy ships, no f. on (ill.) 145

VANDALISM, inexcusable (edit.) 1105
Ventilation and confining f., proper way to handle (ill.) 813
Ventilation, is, part of salvage work? 677
Ventilation, judgment must be used in 547
Ventilation, value of 833
Vero Beach f. dept. (ill.) 1150
Vicksburg f. d., ch. Wilks, dead (portr.) .. 1056
Vincent heads Iowa F. Assn 509
Va. S. F. A. to meet at Ocean View 21
Vol. f. depts. (Q. & A.) 686
Vol. f. d., how to organize 113
Vol. school, data on starting 463

WALLACE, ch., injured fighting f 206
Walsh (Giving ch. power in f. preven.) (portr.) 723
Warehouse f. (ill.) 365
Warren (Preventing fires before they occur) 772
Washington, D. C. firebug causes many fires (ill.) 107
Wash., D. C., f. d. test safes (ill.) 557
Washington f'men wash capitol (ill.) 1144
Watchman's service needed supervised 244
W. from freezing, preventing (Q. & A.) .. 17
W. lifted without aid of pump (ill.) 1066
Waterbury arson plot (ill.) 1182
Waterbury f. losses for 1927 (portr.) 249
W. dept., how can, cooperate with f. chief? . 642
W. hazard in calcium carbide f. (portr.) .. 229
W., to prevent freezing (Q. & A.) 63
W. tower, discharge from (Q. & A.) 415
Watsonville new f. app. (ill.) 336
Weaver, ch. Nashville, resigns (portr.) .. 194
Welfare Is., one eng. co. protects 564
Wells of Wethersfield killed 115
Westerly f. sta. design (ill.) 376
Westerly hotel destroyed 374
W. Grove millwork plant f. (ill.) 1018
Westner (Safety first methods in f. dept. practice) 830
West Side F. Fighters Assn. formed in Taft 655
Wheeling hose co. apparatus (ill.) 1140
Whitesboro hay f. 284
Wilks, ch. Vicksburg f. d. dead (portr.) .. 1056
Williams appointed Fresno chief (portr.) .. 781
Williamson, ch., dead 554
Willson mgr. of Door Opener Co 196
Windshields on f. trucks (Cor.) 421
Wiring, amateur causes many fires 609

29
34

51
43
90
91

07
45
11
01

77
68
58
39
08
20
95
20
68

97
99
45
42

67

82
01
58
15
50
51
26
16
73
63
14
65
13
92
22
20
83
01
32
02
89

74
15
11
16
18
26

69
25
45

05

13
77
47
33
50
56
09
21
86
13
63

06

723
365
772

107
557
144
244
17
966
182
249
542
229
63
815
336
194
564
115
876
374
018

830
555
140
284
956
781
554
196
821
509